

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316650

Luminaire Tested: **GAN-SA6C-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35315 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

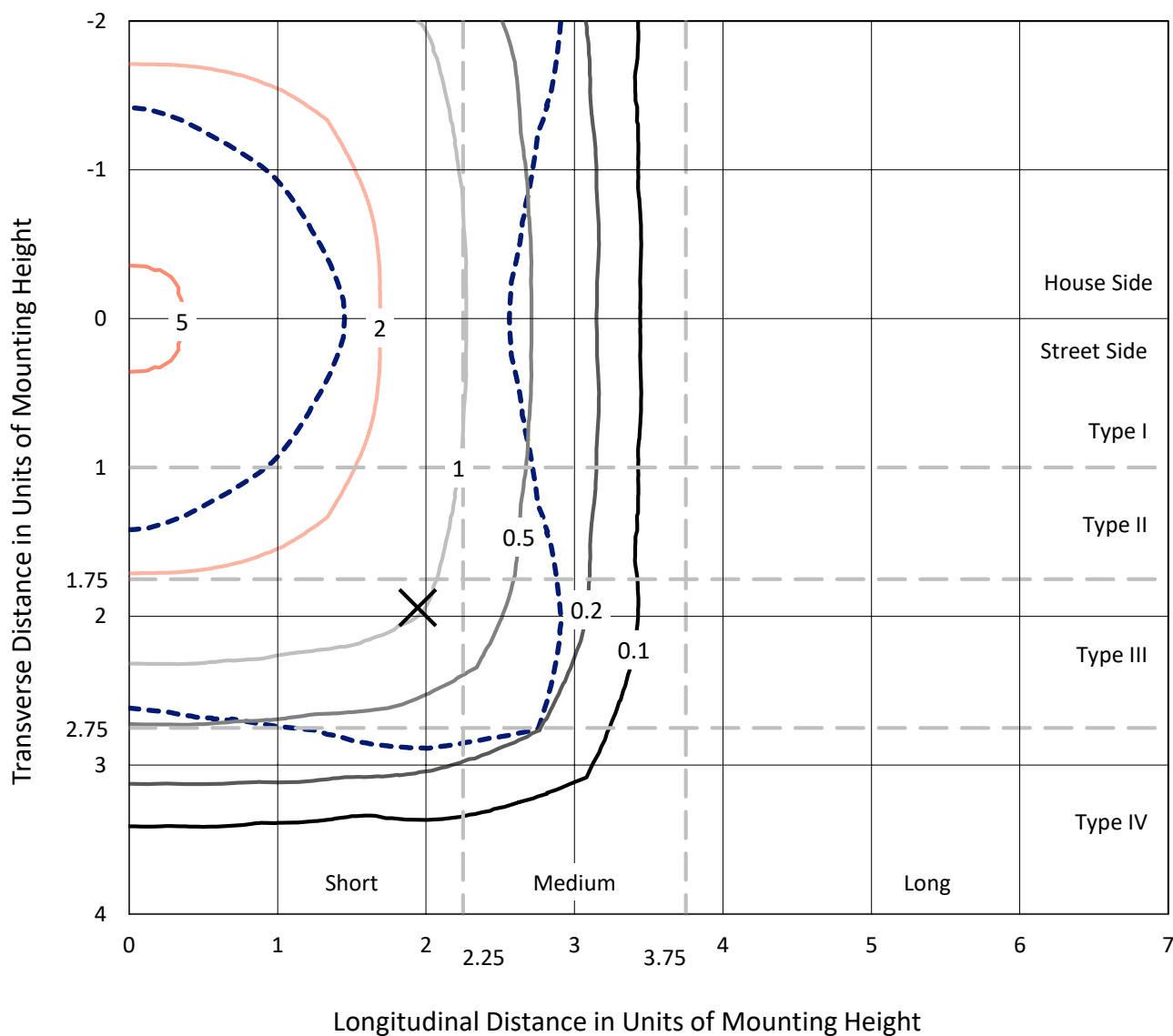
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

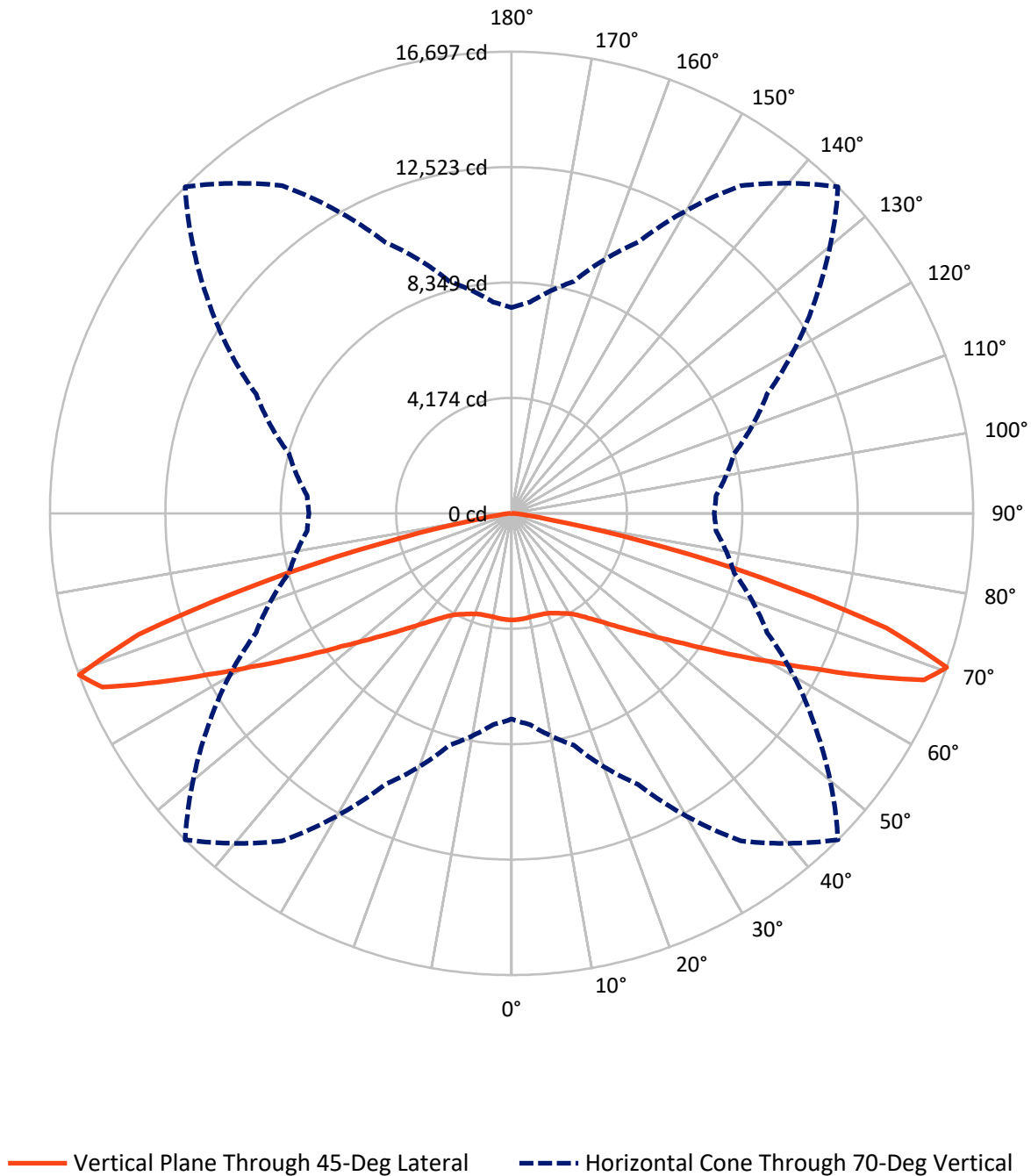
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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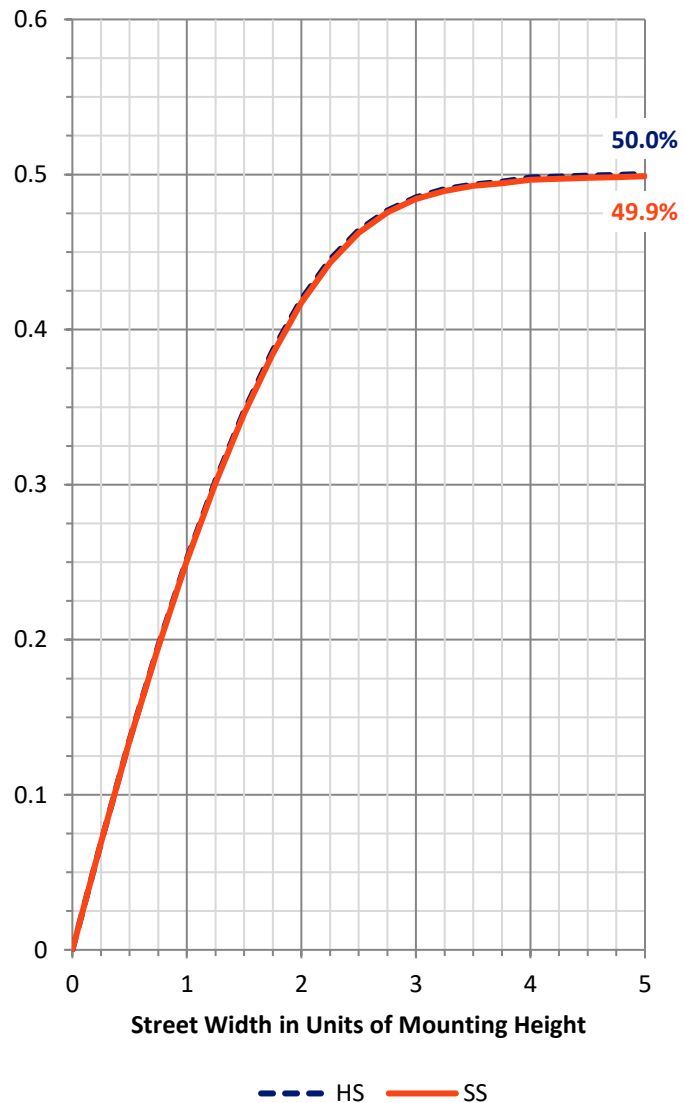
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17657.5	0.0	17657.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17657.5	0.0	17657.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35315.0	0.0	35315.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.3	1.0
10°-20°	1072.4	3.0
20°-30°	1825.6	5.2
30°-40°	2895.4	8.2
40°-50°	4711.6	13.3
50°-60°	7768.6	22.0
60°-70°	11404.6	32.3
70°-80°	5043.1	14.3
80°-90°	228.4	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	35315.0	100.0
0°-180°	35315.0	100.0

Coefficient of Utilization



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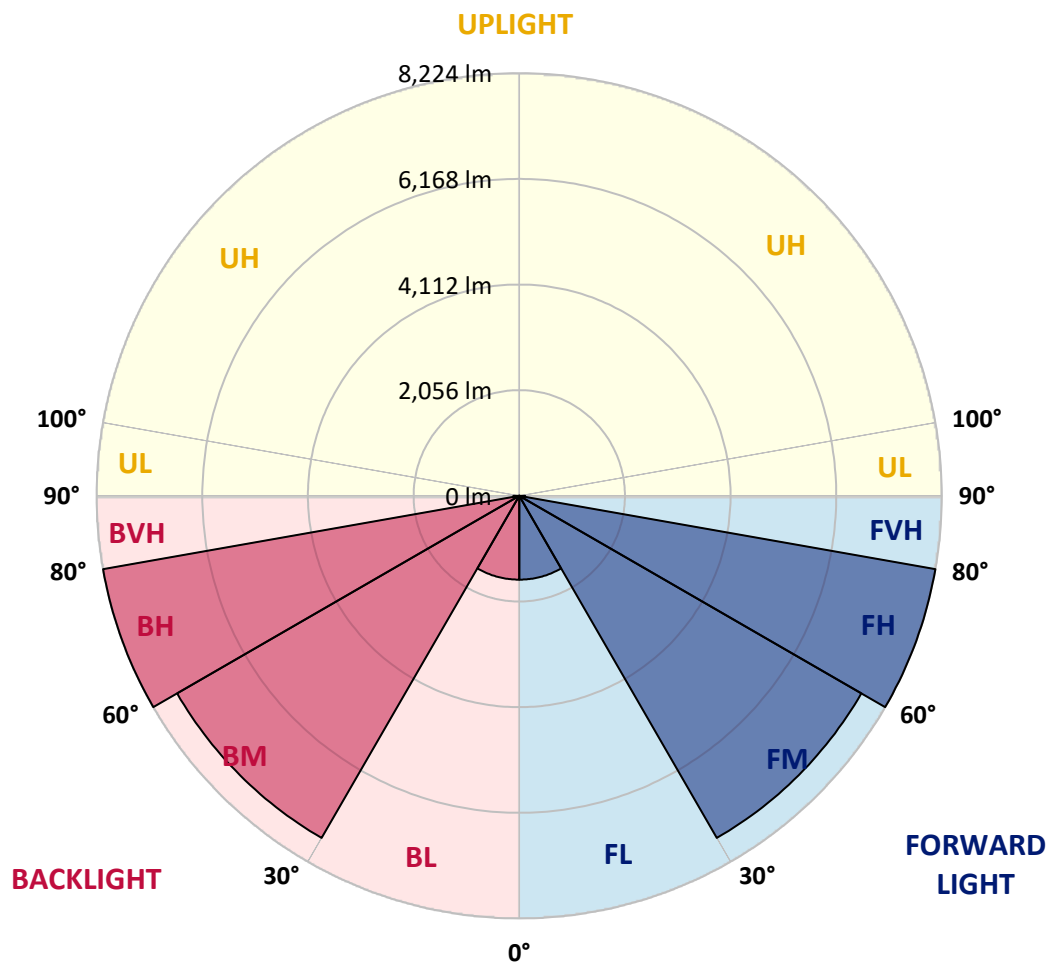
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1631.6	4.6			
FM	(30°-60°)	7687.8	21.8			
FH	(60°-80°)	8223.8	23.3			G4/12000
FVH	(80°-90°)	114.2	0.3			G2/225
BL	(0°-30°)	1631.6	4.6	B3/2500		
BM	(30°-60°)	7687.8	21.8	B4/8500		
BH	(60°-80°)	8223.8	23.3	B5		G4/12000
BVH	(80°-90°)	114.2	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3856.9	3856.9	3856.9	3856.9	3856.9	3856.9	3856.9	3856.9	3856.9	3856.9	3856.9
2.5°	3851.1	3847.6	3855.8	3854.6	3847.6	3848.8	3848.8	3852.3	3852.3	3849.9	3849.9
5°	3837.1	3834.7	3844.1	3844.1	3837.1	3839.4	3841.8	3845.3	3844.1	3841.8	3840.6
7.5°	3819.5	3818.4	3827.7	3827.7	3823.1	3825.4	3823.1	3824.2	3821.9	3819.5	3816.0
10°	3790.3	3792.7	3800.8	3803.2	3803.2	3804.4	3802.0	3796.2	3792.7	3789.2	3785.7
12.5°	3763.4	3762.3	3774.0	3779.8	3789.2	3799.7	3792.7	3776.3	3769.3	3762.3	3759.9
15°	3745.9	3747.1	3758.8	3769.3	3785.7	3807.9	3799.7	3774.0	3759.9	3751.8	3749.4
17.5°	3742.4	3744.7	3759.9	3778.6	3796.2	3820.7	3816.0	3790.3	3767.0	3751.8	3748.3
20°	3750.6	3751.8	3775.1	3802.0	3832.4	3855.8	3845.3	3817.2	3785.7	3762.3	3756.4
22.5°	3765.8	3770.5	3799.7	3841.8	3888.5	3920.1	3907.2	3859.3	3810.2	3781.0	3772.8
25°	3813.7	3814.9	3854.6	3911.9	3968.0	4004.2	3989.0	3921.2	3858.1	3825.4	3814.9
27.5°	3913.0	3916.6	3956.3	4022.9	4070.8	4094.2	4084.9	4029.9	3976.2	3941.1	3944.6
30°	4056.8	4061.5	4105.9	4179.5	4208.7	4214.6	4212.3	4186.5	4137.5	4090.7	4094.2
32.5°	4232.1	4234.5	4294.1	4360.7	4384.1	4388.7	4384.1	4360.7	4302.2	4239.1	4242.6
35°	4457.7	4464.7	4522.0	4586.3	4605.0	4614.3	4606.1	4575.7	4515.0	4453.0	4450.7
37.5°	4735.9	4737.0	4796.6	4863.3	4886.6	4889.0	4879.6	4859.8	4783.8	4727.7	4724.2
40°	5058.4	5063.1	5133.2	5204.5	5213.9	5203.4	5216.2	5204.5	5126.2	5062.0	5072.5
42.5°	5451.2	5461.7	5545.8	5615.9	5589.1	5583.2	5591.4	5594.9	5531.8	5453.5	5446.5
45°	5908.1	5917.5	6022.7	6078.8	6061.3	6022.7	6039.0	6067.1	5979.4	5882.4	5891.8
47.5°	6429.4	6452.8	6565.0	6617.6	6574.3	6521.7	6553.3	6595.4	6492.5	6372.1	6366.3
50°	7009.1	7038.3	7187.9	7261.6	7218.3	7121.3	7173.9	7202.0	7053.5	6898.1	6885.2
52.5°	7627.4	7656.6	7844.8	7996.7	7968.7	7817.9	7891.5	7862.3	7691.7	7482.5	7466.1
55°	8327.5	8339.2	8542.6	8788.0	8816.0	8705.0	8700.3	8652.4	8400.0	8158.0	8146.3
57.5°	9047.5	9055.6	9318.6	9608.5	9740.5	9740.5	9609.6	9508.0	9172.5	8892.0	8862.8
60°	9824.7	9853.9	10144.9	10538.8	10847.4	10938.5	10707.1	10430.1	10065.5	9723.0	9689.1
62.5°	10516.6	10550.5	10995.8	11582.5	12078.1	12410.0	11844.3	11393.2	10729.3	10180.0	10115.7
65°	10604.3	10695.4	11344.1	12406.5	13515.7	14178.4	13093.8	11982.3	10772.6	10009.4	9943.9
67.5°	9684.4	9838.7	10715.3	12369.1	14661.1	16083.5	13892.0	11645.6	9996.5	9152.7	9080.2
70°	7441.6	7666.0	8677.0	10819.3	14463.6	16697.1	13391.8	10195.2	8334.5	7426.4	7324.7
72.5°	4082.5	4174.9	5084.2	7408.8	11595.4	14188.9	11170.0	7538.6	5527.1	4497.4	4326.8
75°	1295.0	1327.7	1790.6	3031.8	6559.1	9398.1	7095.6	3700.3	2037.2	1501.9	1484.3
77.5°	575.0	578.5	647.5	884.8	2259.2	4761.6	2713.9	1007.5	694.3	606.6	626.5
80°	363.5	363.5	400.9	438.3	614.8	1382.7	734.0	479.2	409.1	379.9	388.0
82.5°	174.1	192.8	260.6	280.5	337.8	465.2	376.3	313.2	273.5	203.4	189.3
85°	114.5	95.8	164.8	185.8	196.4	223.2	218.6	206.9	178.8	101.7	113.4
87.5°	51.4	49.1	85.3	78.3	73.6	56.1	84.2	104.0	100.5	50.3	50.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)